

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
24 July 2003 (24.07.2003)

PCT

(10) International Publication Number
WO 03/060177 A1(51) International Patent Classification: **C23C 2/02**,
B24C 3/00

(21) International Application Number: PCT/NL.03/00025

(22) International Filing Date: 15 January 2003 (15.01.2003)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1019751 16 January 2002 (16.01.2002) NL
1020689 27 May 2002 (27.05.2002) NL
1022066 3 December 2002 (03.12.2002) NL

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

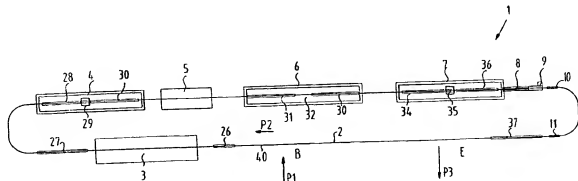
For two-letter codes and other abbreviations: refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicants (for all designated States except US):
HEESAKKERS, Paulus, Theodorus [NL/NL]; Windmolen 52, NL-6003 BK Weert (NL). **BOGERS, Mathijs, Johannes, Anna, Engelina** [NL/NL]; Keunenhoek 6, NL-6021 CX Budel (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOGERS, Jacobus, Maria, Mathijs** [NL/NL]; Grootschooterweg 65, NL-6023 AP Budel (NL).(74) Agent: **HYLARIDES, Paul, Jacques**; Sweelinkplein 1, NL-2517 GK Den Haag (NL).

(54) Title: METHOD AND DEVICE FOR GALVANIZING OBJECTS



(57) **Abstract:** The present invention relates to a method for thermally galvanizing objects, in particular metal objects, comprising the steps of: pretreating an object for treating, including removing the surface layer from the object; arranging the pretreated object in a flux bath for fluxing of the object; arranging the fluxed object in a zinc bath in order to have the material of the object react with zinc and to apply a zinc-containing layer to the object, wherein the step of pretreating comprises of blasting the object with grains so as to remove at least the surface layer. The invention also relates to a device for shot-blasting objects, in particular as pretreatment in the galvanizing of the object.

WO 03/060177 A1